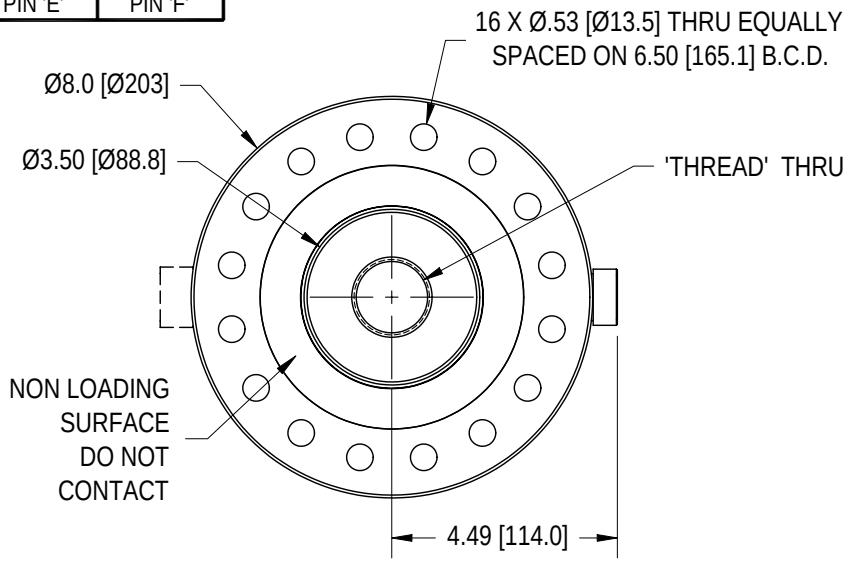
FUTEK MODEL LCF550

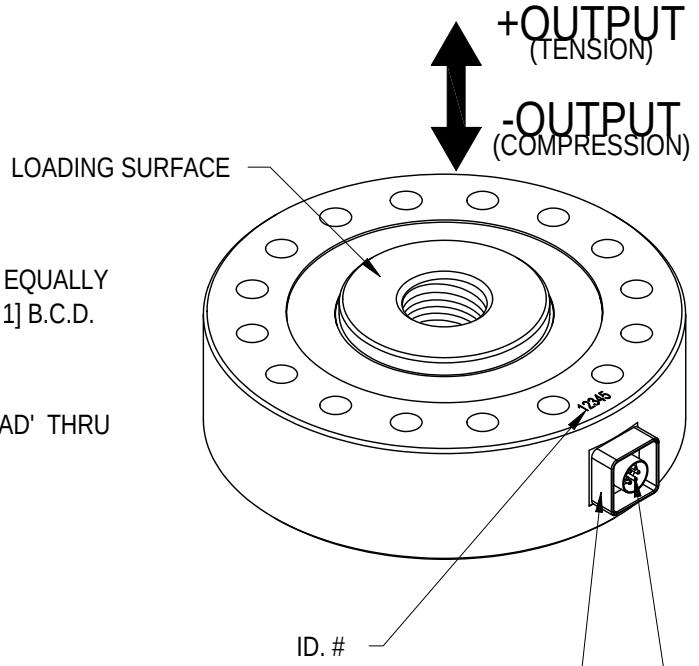
LOW PROFILE UNIVERSAL PANCAKE LOAD CELL

Drawing Number: FI1013-A

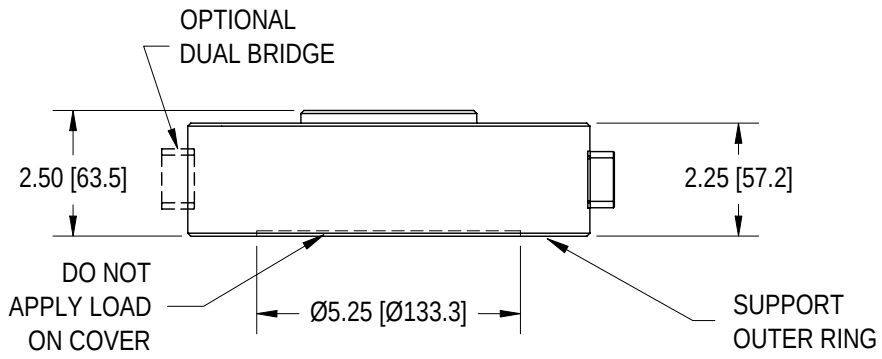
INCH [mm]	R.O.= Rated Output

WIRING CODE (CC1)			
+Excitation	-Excitation	+Signal	-Signal
RED PIN 'A'	BLACK PIN 'B'	GREEN PIN 'C'	WHITE PIN 'D'
+Sense	-Sense		
ORANGE PIN 'E'	BLUE PIN 'F'		


16 X Ø.53 [Ø13.5] THRU EQUALLY SPACED ON 6.50 [165.1] B.C.D.
Ø8.0 [Ø203]
Ø3.50 [Ø88.8]
'THREAD' THRU
NON LOADING SURFACE DO NOT CONTACT
4.49 [114.0]



BENDIX RECEPTACLE
PT02A-10-6P
MATING CONNECTOR
PT06A-10-6S-SR
(NOT INCLUDED)



STOCK NO:	THREAD	DUAL BRIDGE
FSH02834	1 3/4-12-2B	
FSH02836		X
FSH02757	M42x2-4H	
FSH02835		X

SPECIFICATIONS:

CAPACITY	*100 Klb [444.8 kN]*
RATED OUTPUT	*4 mV/V nom.*
SAFE OVERLOAD	*150% of R.O.*
ZERO BALANCE	*±1% of R.O.*
EXCITATION (VDC OR VAC)	*20 MAX*
BRIDGE RESISTANCE	*350 Ω nom*
NONLINEARITY	*±0.1% of R.O.*
HYSTERESIS	*±0.2% of R.O.*
NONREPEATABILITY	*±0.02% of R.O.*
CREEP	*±0.02% of LOAD*
TEMP. SHIFT ZERO	*±0.001% of R.O./°F [0.0018% of R.O./°C]*
TEMP. SHIFT SPAN	*±0.002% of LOAD/°F [0.0036% of LOAD/°C]*
COMPENSATED TEMP.	*60 to 160°F [15 to 72°C]*
OPERATING TEMP.	*-60 to 200°F [-50 to 93°C]*
DEFLECTION	*0.003 [0.08] nom.*
MATERIAL	*17-4PH S.S.*
WEIGHT	*25 lb [11.3 kg]*

CONNECTOR: 6 Pin BENDIX Receptacle (PT02A-10-6P)
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE

CALIBRATION (STD)	*5 pt. COMPRESSION; 30K Ω SHUNT CAL. VALUE*
CALIBRATION (AVAILABLE)	*5 pt. TENSION*
CALIBRATION TEST EXCITATION	*10 VDC*

REFER TO LCF555 FOR TENSION BASE VERSION

OTHER AVAILABLE RECEPTACLES & MATING CONNECTORS

BENDIX RECEPTACLE (PCO4E-10-6P)
BENDIX MATING CONNECTOR (PCO6E-10-6S-SR)

FUTEK ADVANCED SENSOR TECHNOLOGY, INC.

This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from FUTEK

10 THOMAS
IRVINE, CA 92618 USA
1-800-23-FUTEK (38835)

INTERNET:
http://www.futek.com